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PW4000 94-inch Fan Engine: The Choice for Maximum Customer Value

The PW4000 94-inch fan engine is the first model in the PW4000 family of high-thrust engines. It covers a range of 52,000 to 62,000 pounds of thrust and has five major aircraft applications. For twin-engine aircraft, the PW4000 94" engine is approved for 180-minute Extended-range Twin-engine Operations (ETOPS), giving airlines excellent operational flexibility.

The PW4000-94" engine offers airlines excellent operating economics and high reliability. Advanced, service-proven technologies, such as single-crystal super alloy materials and Full-Authority Digital Electronic Controls (FADEC), contribute to superior fuel economy and reliability. The engine's attractiveness is further enhanced by excellent performance retention, long on-wing times and low maintenance costs.

The engine meets with margin all current emissions and noise regulations. For further emissions reduction – especially NOx – TALON (Technology for Advanced Low NOx) combustor II is available. Most recent engine improvements enhance fuel efficiency and exhaust gas temperature (EGT) margin.

Since entering revenue service in 1987, Pratt & Whitney has delivered more than 2,500 PW4000-94" engines that have collectively logged more than 110 million flight hours on commercial aircraft around the world. The PW4000-94" engine operates commercially on the Boeing 767, 747 and MD-11, as well as the Airbus A300 and A310.

The PW4062, the highest thrust model in Pratt & Whitney's PW4000-94" commercial engine family, is offered for both commercial freighter and military tanker applications. The engine was recently selected to power the U.S. Air Force's KC-46 tanker.

Engine Models

- PW4056/62/62A
- PW4052/56/60/62/62A
- PW4460/62
- PW4158
- PW4152/56A

Airplanes Powered

- Boeing 747
- Boeing 767
- MD-11
- Airbus A300
- Airbus A310

Program Milestones	
December 1982	Program launch
August 1985	First flight
July 1986	FAA engine certification
June 1987	Enters revenue service
September 1991	180-minute ETOPS approval for A300/A310
July 1993	180- minute ETOPS approval for 767
June 2002	PW4062A EIS on 747-400F
November 2002	FAR 33 Certification of HPC Ring Case
November 2008	2,500 th engine delivered

About Pratt & Whitney

Pratt & Whitney, a division of United Technologies Corp. (NYSE:UTX), is a world leader in the design, manufacture and service of aircraft engines, space propulsion systems and industrial gas turbines. United Technologies, based in Hartford, Conn., is a diversified, Fortune 50 company providing high technology products and services to the global aerospace and building industries.

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